Detailed System Design

Version/ Review Date	Brief Summary of Changes From Prior Version
Version 1.0 11/24/03	Original

DDCT19-1: General Accounting Pre Encumbrance (GAP)

Table of Contents

1. Overview

1.1. *Document Definitions and Naming Conventions*

This section describes/defines the DTD naming conventions applied in this document.

Transaction Layout Definitions

- Attribute – The name of the data element in the database, as well as the name of the XML tag.

- Caption – The label on the User Interface that defines the data element.

- Description – A textual description of the data element.

- R/C – Required/Conditional. Required specifies that the data element is required by the interface for the transaction to successful submit. Conditional means that specified conditions must be adhere to by the interface for the transaction to successful submit. No value specifies that the data element is optional by the interface for the transaction to submit.

- Type – The data type of the data element.

  - VarChar – Variable Character text. Alphanumeric data.

  - Byte – Unsigned character.

  - Char – Character. Fixed length alphanumeric text, required to meet the exact specified size.

  - Date – Date Format YYYY-MM-DD

  - Decimal – Numeric value with a specified decimal position (9,3) = 999999999.999

  - Boolean –True/False. True conditions = "true", False conditions = "false".

  - Memo – Alphanumeric Text with a maximum of 1500 characters.

  - Currency – Numeric, with two decimal positions. Format 9999.99.

  - Integer – Numeric value, a whole number.

  - Long - Numeric value, a long whole number.

- Size – The (numeric) size of the data element
- NewMMARS Notes – Notes specific to the NewMMARS data element.
  - CVL – Coded Value List, the value of the data element must come from the CVL table specified in the NewMMARS Notes.
- MMARS Derivation Notes – Notes specific to translating MMARS document layout data to NewMMARS.
  - **H.**TEXT – Data element from the header or document section of the MMARS document layout.
  - **L.**TEXT – Data element from the line or detail section of the MMARS document layout.
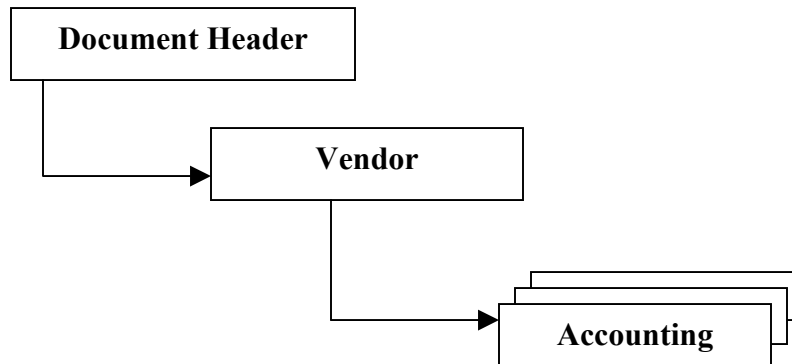
XML Definitions and Conventions

- Root - The NewMMARS XML file and document root declaration identifies required root elements that must contain for the XML file or document (transaction) to load into NewMMARS. The NewMMARS XML file must contain a single root element that contains specified attributes, at the file level. Each document transactions contained within the XML file must also contain a root element that contains the specified attributes, at the document level.
- Attributes - Attributes are name-value pairs that occur inside start-tags after the element name.
- Elements - Elements are the most common form of markup. Delimited by angle brackets, most elements identify the nature of the content they surround. Elements normally begins with a start-tag, <element>, and ends with an end-tag, </element>.
- CDATA Tags - In a document, CDATA instructs the parser to ignore (most) markup characters. Between the start of the section, <![CDATA[and the end of the section,]]>, all character data is passed directly to the application, without interpretation. Elements, entity references, comments, and processing instructions are all unrecognized and the characters that comprise them are passed "literally" to the application.

1.2. Document Usage

In NewMMARS, the General Accounting Pre-Encumbrance (GAP) document code for the Accounting-Based Spending document type can perform pre-encumbrance. GAP does not require any reference documents. GAP will be used for non-commodity based pre-encumbrance.

1.3. Logical Document Component Structure

The General Accounting Pre-Encumbrance has the following logical document structure:

```
┌─────────────────────────┐
│   Document Header       │
└───┬─────────────────────┘
    │
    │      ┌─────────────────┐
    └─────▶│    Vendor       │
           └───┬─────────────┘
               │         ┌──────────────┐
               │        ┌┴─────────────┐│
               └───────▶│  Accounting  ├┘
                        └──────────────┘
```

2. Publishable Specification

2.1. Transaction Layout: GAP (Original Entry and Modifications)

	Action Code		
	OE	MOD	Component Description

		R	R	XML file root element.
Document Component	**AMS_DOCUMENT**	R	R	XML file root element.
	ABS_DOC_HDR	R	R	Lists general information associated with the entire procurement.
	ABS_DOC_VEND	R	R	Lists selected Vendor for providing the goods/services. Vendors are selected from a pick list that is populated by the Vendor/Customer (VCUST) table.
	ABS_DOC_ACTG	R	R	Lists the accounting funds

R – Required
CR – Conditionally Required: Required only if modifying a field within that component
O - Optional

2.1.1 GAP AMS_DOCUMENT root element attributes

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	The **DOC_CAT** is a fixed entry for all **GAP** documents. Value: • **ABS**	
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document type.	R	VarChar	8	The **DOC_TYP** is a fixed entry for all **GAP** documents. Value: • **ABS**	
DOC_CD	Document Code	The alpha-numeric identification code assigned to the document on the Document Control table.	R	VarChar	8	The **DOC_CD** is a fixed entry for all **GAP** documents. Value: • **GAP**	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_DEPT_CD	Department Code	The department code assigned to this document.	R	VarChar	4	The Departmental is a Chart of Account code corresponding to the Department submitting the **GAP**. Example: DMA	
DOC_UNIT_CD	Unit Code	The unit code associated with this document.	R	VarChar	4	Example: 1000	
DOC_ID	Document Id	The document ID to identify this document.	R	VarChar	20	• Must begin with "**INTF**" • Remaining 16 characters must be used w/ no blanks • Must be unique if new	
DOC_VERS_NO	Document Version Number	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation.	R	Integer		For new transaction always = "1" For modifications = next sequential version number	
DOC_IMPORT_MODE	Document Import Mode	The import mode determining the phase of the document on import.	R	VarChar	4	Values: • "**OE**" = **Original Entries** • "**MOD**" = **Modification**	

2.1.2 GAP Document Component: ABS_DOC_HDR

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	Same as in **AMS_DOCUMENT**	
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document.	R	VarChar	8	Same as in **AMS_DOCUMENT**	
DOC_CD	Document Code	The alpha-numeric identification code assigned to the document on the Document Control table.	R	VarChar	8	Same as in **AMS_DOCUMENT**	
DOC_DEPT_CD	Department	The department code assigned to this document	R	VarChar	4	Same as in **AMS_DOCUMENT**	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_ID	Document ID	The document code and number that is either manually assigned or automatically generated by the system if you do not enter this information. The version number is assigned automatically. Duplicate document identification numbers are not allowed in the system	R	VarChar	20	Same as in **AMS_DOCUMENT**	
DOC_UNIT_CD	Document Unit Code	The unit code associated with this document.	R	VarChar	4	Same as in **AMS_DOCUMENT**	
DOC_VERS_NO	Document Version	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation	R	Integer		Same as in **AMS_DOCUMENT**	
DOC_NM	Document Name	Name for the document.	C	VarChar	60	Can be required based on Document Control (**DCTRL**) table setting.	
DOC_REC_DT_DC	Record date	The record date manually entered on the document header. If not manually entered, the date becomes the one when the document was submitted successfully.		Date			
DOC_BFY	Budget FY	When on the header of a document, this is the default budget fiscal year that will be pushed to all accounting lines. When on any other level of a document, it is just a means of getting the header value to the accounting lines. This default value will become the accounting line's budget fiscal year where one is not manually entered or defaulted from a reference document.		Integer			
DOC_FY_DC	Fiscal Year	The fiscal year associated with this document.		Integer			

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_PER_DC	Period	The manually entered accounting period for a document in draft. If not manually entered, the field remains blank until the document is submitted successfully. At this point it was set to the current accounting period. This field will be automatically blanked out by the application on any modification or cancellation draft.		Byte		Example: • **6**	
DOC_DSCR	Document Description	The description associated with the document.	C	VarChar	60	Can be required based on Document Control (**DCTRL**) table setting.	
BILL_LOC_CD	Billing Location	The location where the receivable is to be sent. Required if the billing type is Invoices, Statements, or Both. Valid values are: *Customer Only*, *Third Party Only*, *Third Party with Customer Copy*, *Parent Address Only*, or *Parent Address with Customer Copy*. Default is *Customer Only*.		VarChar	60		
SHIP_LOC_CD	Shipping Location	The location code associated with the shipping location.		VarChar	6		
DLVR_DT	Delivery Date	The requested delivery date from the Stock Requisition		Date			
EXT_DOC_DSCR	Extended Description	A free-form text field that will hold a large volume of information to be associated with a document component. It is larger than the regular description field, but still limited unlike attachments.		Memo			
RTG_AM	Retainage Amount	The total amount of retainage withheld for all accounting lines if referencing an Award document. The amount is calculated based on the retainage terms established on the Award document.	C	Currency		Retainage Amount (**RTG_AM**) is required if **DOC_IMPORT_MODE** is equal to '**MOD**'. However, it is being reconsidered. **RTG_AM** ="0.00"	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DISC_AM	Discount Amount	For Accounts Payable documents, it is the total amount of discounts applied to all the accounting lines. The Disbursement process updates this field. If the check is cancelled, this amount can be adjusted based on the cancellation type. For Investment documents, when recording investment earnings, users enter the actual amount of discounts in this bucket on the accounting line. The system will then take that amount and create the appropriate accounting entries.	C	Currency		Discount Amount (**DISC_AM**) is required if **DOC_IMPORT_MODE** is equal to '**MOD**'. However, it is being reconsidered. **DISC_AM** ="0.00"	
PNLTY_INTR_AM	Penalty/Interest Amount	The total amount of penalty/interest applied to the document. The Disbursement process updates this field. If the check is cancelled, this amount can be adjusted based on the cancellation type.	C	Currency		Penalty/Interest Amount (**PNLTY_INTR_AM**) is required if **DOC_IMPORT_MODE** is equal to '**MOD**'. However, it is being reconsidered. **PNLTY_INTR_AM** ="0.00"	
WHLD_AM	Withholding Amount	This field displays the amount of Backup Withholding that was withheld at the time of disbursements.	C	Currency		Withholding Amount (**WHLD_A**) is required if **DOC_IMPORT_MODE** is equal to '**MOD**'. However, it is being reconsidered. **WHLD_A** ="0.00"	
INCT_AM	Intercept Amount	The total amount of intercept payments applied to this Payment Request. Intercept amounts are a result of garnishments, liens, levies, and receivables against a vendor. This Disbursement process updates this field. If the check is cancelled, this amount can be adjusted based on the cancellation type.	C	Currency		Intercept Amount (**INCT_AM**) is required if **DOC_IMPORT_MODE** is equal to '**MOD**'. However, it is being reconsidered. **INCT_AM** ="0.00"	

2.1.3 GAP Document Component: ABS_DOC_VEND

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	Same as in **AMS_DOCUMENT**	
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document.	R	VarChar	8	Same as in **AMS_DOCUMENT**	
DOC_CD	Document Code	The alpha-numeric identification code assigned to the document on the Document Control table.	R	VarChar	8	Same as in **AMS_DOCUMENT**	
DOC_DEPT_CD	Department	The department code assigned to this document	R	VarChar	4	Same as in **AMS_DOCUMENT**	
DOC_ID	Document ID	The document code and number that is either manually assigned or automatically generated by the system if you do not enter this information. The version number is assigned automatically. Duplicate document identification numbers are not allowed in the system	R	VarChar	20	Same as in **AMS_DOCUMENT**	
DOC_UNIT_CD	Document Unit Code	The unit code associated with this document.	R	VarChar	4	Same as in **AMS_DOCUMENT**	
DOC_VERS_NO	Document Version	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation	R	Integer		Same as in **AMS_DOCUMENT**	
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	Integer		The **DOC_VEND_LN_NO** is a required entry for all **GAP** documents. Value: 1	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
VEND_CUST_CD	Vendor Customer	The unique identifier assigned to the vendor/customer. In ADVANTAGE Financial, a vendor can also be a customer, allowing you to enter information only one time when a particular contact is both a vendor (payable) and a customer (receivable).	C	VarChar	20	The **VEND_CUST_CD** can be a required field for the GAP. Must be valid on Vendor Customer (**VCUST**) table. Vendor Customer (**VEND_CUST_CD**) cannot be modified if **DOC_IMPORT_MODE** is equal to '**MOD**'.	
LGL_NM	Legal Name	The legally defined name of the company or individual represented by this record. The field is used for reporting if defined as not alias/DBA.		VarChar	60		
ALIAS_NM	Alias/DBA	The alternate name, alias or operating name (doing business as) used to identify the account.		VarChar	60		
AD_ID	Address Code	The Address Code or ID given to a unique address for a vendor or customer. The use of different Address Codes will allow a single vendor or customer code to have multiple addresses.		VarChar	20	If left blank, it will default to default **AD_ID** set on **VCUST.**	
AD_LN_1	Address Line 1	The first line of the address.		VarChar	75	If the Address Code (**AD_ID**) is valid, this field is inferred.	
AD_LN_2	Address Line 2	The second line of the address.		VarChar	75		
CITY	City	The city name associated with the address.		VarChar	60	If the Address Code (**AD_ID**) is valid, this field is inferred.	
ST	State	The state or province.		VarChar	2	If the Address Code (**AD_ID**) is valid, this field is inferred.	
ZIP	Zip	The zip code associated with the address.		VarChar	10	If the Address Code (**AD_ID**) is valid, this field is inferred.	
CTRY	Country	The unique identification code associated with the country.		VarChar	3		

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
CNTY_NM	County	The name associated with the county. If you do not provide a county name, the name does not display on reports.		VarChar	75		
CNTAC_ID	Vendor Contact ID	The unique identification number assigned to the contact. The use of different contact ID's will allow a single vendor or customer code to have multiple contacts.		VarChar	20	If left blank, it will default to default **CNTAC_ID** set on **VCUST**.	
PRIN_CNTAC	Vendor Contact Name	The vendor's procurement contact.		VarChar	60		
VOICE_PH_NO	Vendor Contact Phone	The telephone number associated with the contact.		VarChar	30		
VOICE_PH_EXT	Vendor Contact Phone Ext	The telephone number extension associated with the contact.		VarChar	6		
EMAIL_AD	Vendor Contact Email	The email address associated with the contact.		VarChar	100		
FAX_PH_NO	Fax	The fax extension number associated with a contact, be it a vendor, customer, or internal contact.		VarChar	30		
FAX_PH_EXT	Fax Extension	The optional fax extension number associated with the fax number for a contact, be it a vendor, customer, or internal contact.		VarChar	6		
WEB_AD	Web Address http: //	The web address for this company/individual.		VarChar	100		
VEND_DISB_CAT	Disbursement Category	The vendor/customer disbursement category associated with the document.	C	VarChar	4	Disbursement Category (**VEND_DISB_CAT**) is a required if **DOC_IMPORT_MODE** is equal to '**MOD**'. However, it is being reconsidered	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
SCHED_PYMT_DT	Schedule Payment Date	The date that a vendor is scheduled to receive payment.	C	Date		Schedule Payment Date (**SCHED_PYMT_DT**) is required if **DOC_IMPORT_MODE** is equal to '**MOD**'. However, it is being reconsidered.	

2.1.4 GAP Document Component: ABS_DOC_ACTG

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_CAT	Document Category	The category in which the document is located.	R	VarChar	8	Same as in **AMS_DOCUMENT**	
DOC_TYP	Document Type	The type of document, defined in the Document Type table. Each document code must be assigned a document.	R	VarChar	8	Same as in **AMS_DOCUMENT**	
DOC_CD	Document Code	The alpha-numb	R	VarChar	8	Same as in **AMS_DOCUMENT**	
DOC_DEPT_CD	Department	The department code assigned to this document	R	VarChar	4	Same as in **AMS_DOCUMENT**	
DOC_ID	Document ID	The document code and number that is either manually assigned or automatically generated by the system if you do not enter this information. The version number is assigned automatically. Duplicate document identification numbers are not allowed in the system	R	VarChar	20	Same as in **AMS_DOCUMENT**	
DOC_UNIT_CD	Document Unit Code	The unit code associated with this document.	R	VarChar	4	Same as in **AMS_DOCUMENT**	
DOC_VERS_NO	Document Version	The version number assigned to this document. The version is incremented with each modification draft and after with a cancellation	R	VarChar		Same as in **AMS_DOCUMENT**	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
DOC_VEND_LN_NO	Document Vendor Line Number	The vendor line number visible to a user that uniquely identifies each vendor line within a document.	R	Integer		The **DOC_VEND_LN_NO** is a required entry for all **GAP** documents. Value: 1	
DOC_ACTG_LN_NO	Accounting Line	The accounting line number visible to a user that uniquely identifies each accounting line within a document.	R	Integer		The **DOC_ACT_LN_NO** is a required entry for all GAP documents. Value: 1 Line numbering begins at 1 and is incremental for additional lines	
EVNT_TYP_ID	Event Type	The alpha-numeric identification code assigned to an event type. Each event type ID must be unique within the application. It is required when completing any accounting or budgeting document with the exception of certain journal vouchers. Default event types can be established on the Allowable Event Types for Document Code table for each document code for the most commonly used ones to reduce data entry. Other crosswalk tables aid accounts receivable and payable documents to default the correct event type when a document is referenced based on the one from the referenced document. It also may be a selection criteria on a parameter table, a key to a specific business rule on a control table, or the event type recorded on a historical record.	R	VarChar	4	Required to provide a valid Event Type, refer to the **ETYP** table/Page Code, for the document. Default Value is "**PR02**". Event Type (**EVNT_TYP_ID**) cannot be modified if **DOC_IMPORT_MODE** is equal to '**MOD**'.	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
ACTG_TMPL_ID	Accounting Template	The unique identification code assigned to the accounting template. Accounting templates are used to bring in chart of account element codes for ease of data entry on documents.		VarChar	6	The Department may choose to set up an Accounting Template, which will contain Budget information. Use of the Account Template will default Account Template (Budget) information for the Accounting Line. Must be valid on Accounting Template (**ACTPL**) table.	
ACTG_LN_DSCR	Line Description	The description associated with the line.		VarChar	100	Department may provide Accounting Line Description in this data element.	
LN_AM	Line Amount	The amount of an individual record of a document component, be it the header, vendor line, commodity line, accounting line, budget line, or allotment. The amount could also be the amount recorded to a table that tracks document updates such as the Statement Detail table or a journal.	R	Currency		The Line Amount (**LN_AM**) can be used for a modification decrease. The Line Amount (**LN_AM**) can not be used for a modification increase if the Prevent New Spending indicator on the Vendor Customer (**VCUST**) table is set to 'For ALL Departments' or 'For Specific Departments'.	
BFY	Budget FY	The budget fiscal year with which this calendar date is associated. Must be valid on the Fiscal Year page.	R	Integer		Example: • **2004** • **2005**	
FY_DC	Fiscal Year	The fiscal year on an accounting document that defaults to the current year or is manually entered by a user, which is used to look up options, validate codes, and ultimately records accounting entries. This date is automatically cleared by the system when a modification or cancellation is done.		Integer		Example: • **2004** • **2005**	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
PER_DC	Period	The accounting period manually entered or loaded offline on a document's accounting line. The field is also populated when an accounting period is entered or loaded offline to the header that defaults to all accounting lines. If not manually or offline loaded, the field is set to the current period when the document reaches the final state. This period value is what is written to all journals and ledgers. This field is reset to blanks when a cancellation or modification is done.		Byte		Example: • **1** • **2** • **12**	
FUND_CD	Fund	The identification code associated with a fund record, which is an essential part of a governmental accounting system. Values may be entered as a chart of account element on a budget or accounting document. The Fund may also be used as a selection criteria on an input parameter. The Fund may be entered to associate rules with a fund that are designated on other tables than the fund table. Lastly, it can be the fund recorded on a historical record.	C	VarChar	4	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Fund (**FUND**) table.	
SFUND_CD	Sub Fund	The identification code associated with the sub-fund.	C	VarChar	4	Must be valid on Sub Fund (**SFUND**) table.	
DEPT_CD	Department	An identification code assigned to an central organizational level element where the decentral structure is set. The department field may be used as an input field on a document, an additional key to another chart of account element, a selection criteria on a parameter table, a key to a specific business rule on a control table, a field to be inferred on a document, or the department value on a historical record.	C	VarChar	4	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Department (**DEPT**) table.	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
UNIT_CD	Unit	Unit is the lowest organizational level in the main organizational structure. Only sub unit is lower, but it is not necessarily required as unit is. At the unit level, all the organizational elements it reports to are defined so that they are inferred to accounting documents. Unit codes themselves can be values entered on budgeting and accounting documents, keys to business rule tables, and values seen in historical records.	C	VarChar	4	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Unit (**UNIT**) table.	
SUNIT_CD	Sub Unit	Sub Unit is a means of breaking down a unit code into smaller measurements. It is the lowest level of organizational structure and is required or prohibited based on one or more sub unit requirement tables.	C	VarChar	4	Must be valid on Sub Unit (**SUNIT**) table.	
APPR_CD	Appr	The identification code assigned to a single appropriation unit. An appropriation is a budgeting Chart of Accounts element. The appropriation field may be used as an input field on a document, a selection criteria on a parameter table, a key to a specific business rule on a control table, a field to be inferred on a document, or the appropriation value on a historical record.	C	VarChar	9	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Appropriation (**APPR**) table.	
OBJ_CD	Object	The identification code associated with an object of expenditure. Object is a fund accounting Chart of Accounts element. These codes can then be used to create expense budgets, track spending activity, trigger business rules, and serve as selection criteria for batch jobs.	C	VarChar	4	This is a required field. However if a valid accounting template is referenced, the field could be inferred. Must be valid on Object (**OBJ**) table.	
SOBJ_CD	Sub Object	The identification code associated with the sub-object. Sub-object is a fund accounting Chart of Accounts element.	C	VarChar	4	Must be valid on Sub Object (**SOBJ**) table.	

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
RSRC_CD	Revenue Source	Revenue sources are used to track individual sources of revenue taken in.	C	VarChar	4		
SRSRC_CD	Sub Revenue Source	The identification code associated with the sub-revenue source.	C	VarChar	4		
BSA_CD	BSA	The identification code assigned to the balance sheet account. The balance sheet account code is the first level of six allowed rollups. The progression of the rollups is:	C	VarChar	4		
SBSA_CD	Sub BSA	The identification code assigned to the sub-balance sheet account. The use of sub-balance sheet accounts is optional within ADVANTAGE Financial.	C	VarChar	4		
OBSA_CD	OBSA	The balance sheet account code to which the offset is posted. In most cases, there is a default established for this code; however, certain documents will allow users to manually enter a value to be used other than the default. The posting code that the offset account is associated with will edit that the supplied or defaulted account is of the correct account type, and whether or not it should be a cash or memo account.	C	VarChar	4		
OSBSA_CD	Sub OBSA	The sub-balance sheet account to which the offset is posted.	C	VarChar	4		
DOBJ_CD	Dept Object	The identification code assigned to the Department object.	C	VarChar	4		
DRSRC_CD	Dept Revenue	The code assigned to the department revenue source.	C	VarChar	4		
LOC_CD	Location	The identification code assigned to the location. Location is a programmatic Chart of Accounts element.	C	VarChar	4		
SLOC_CD	Sub Location	The identification code associated with the sub-location.	C	VarChar	4		

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
ACTV_CD	Activity	The identification code associated with the activity. An activity is an internal program that you want to define for budgeting and/or reporting purposes. Activities can cut across agency and fund boundaries.	C	VarChar	4		
SACTV_CD	Sub Activity	The identification code associated with the sub-activity.	C	VarChar	4		
FUNC_CD	Function	The identification code associated with the function. The function code defines broad operational objectives, such as instruction, support services, and facilities acquisition.	C	VarChar	4		
SFUNC_CD	Sub Function	The identification code associated with the sub-function.	C	VarChar	4		
RPT_CD	Reporting	The reporting code element is a programmatic element that can be used in many different ways for measurement and tracking. It is even used as an informal cost accounting entity at times. It can be used on all accounting documents and is stored in journals and optionally in ledgers.	C	VarChar	10		
SRPT_CD	Sub Reporting	Sub reporting codes are used to further define a specific reporting code.	C	VarChar	4		
TASK_CD	Task	The unique identification code assigned to the task.	C	VarChar	4		
STASK_CD	Sub Task	The sub task is a means of breaking down tasks into smaller components.	C	VarChar	4		
TASK_ORD_CD	Task Order	The unique identification code assigned to the task order.	C	VarChar	6		

Attribute	Caption	Description	R/C	Type	Size	NewMMARS Notes	MMARS Derivation Notes
PROG_CD	Program	The identification code assigned to the program. Program is a cost accounting Chart of Accounts element. The program field may be used as an input field on a document, a selection criteria on a parameter table, a key to a specific business rule on a control table, a field to be inferred on a document, or the program value on a historical record.	C	VarChar	6		
PHASE_CD	Phase	The identification code assigned to the phase. Phase is a cost accounting Chart of Accounts element representing a phase of a program.	C	VarChar	4		
PPC_CD	Program Period	The identification code assigned to the program period.	C	VarChar	6		

2.1.5 Original Entry GAP Example 1 – XML layout with no references

This example is for an Original Entry GAE with one vendor and one accounting line.

```
<AMS_DOC_XML_IMPORT_FILE VERSION="1.0">
    <AMS_DOCUMENT DOC_CAT="ABS" DOC_TYP="ABS" DOC_CD="GAP" DOC_DEPT_CD="DMH" DOC_UNIT_CD="1000"
    DOC_ID="INTFGAPORG1234567890" DOC_VERS_NO="1" AUTO_DOC_NUM="false" DOC_IMPORT_MODE="OE">
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        <DOC_TYP Attribute="Y"><![CDATA[ABS]]></DOC_TYP>
        <DOC_CD Attribute="Y"><![CDATA[GAP]]></DOC_CD>
        <DOC_DEPT_CD Attribute="Y"><![CDATA[DMH]]></DOC_DEPT_CD>
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```

```xml
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      <DOC_UNIT_CD Attribute="Y"><![CDATA[1000]]></DOC_UNIT_CD>
  </ABS_DOC_HDR>
  <ABS_DOC_VEND AMSDataObject="Y">
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      <DOC_ID Attribute="Y"><![CDATA[INTFGAPORG1234567890]]></DOC_ID>
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      <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
      <DOC_UNIT_CD Attribute="Y"><![CDATA[1000]]></DOC_UNIT_CD>
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  </ABS_DOC_VEND>
  <ABS_DOC_ACTG AMSDataObject="Y">
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      <DOC_TYP Attribute="Y"><![CDATA[ABS]]></DOC_TYP>
      <DOC_CD Attribute="Y"><![CDATA[GAP]]></DOC_CD>
      <DOC_DEPT_CD Attribute="Y"><![CDATA[DMH]]></DOC_DEPT_CD>
      <DOC_ID Attribute="Y"><![CDATA[INTFGAPORG1234567890]]></DOC_ID>
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      <DOC_ACTG_LN_NO Attribute="Y"><![CDATA[1]]></DOC_ACTG_LN_NO>
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      <BFY Attribute="Y"><![CDATA[2004]]></BFY>
      <FUND_CD Attribute="Y"><![CDATA[0610]]></FUND_CD>
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      <OBJ_CD Attribute="Y"><![CDATA[B05]]></OBJ_CD>
      <DEPT_CD Attribute="Y"><![CDATA[DMA]]></DEPT_CD>
      <UNIT_CD Attribute="Y"><![CDATA[1000]]></UNIT_CD>
      <APPR_CD Attribute="Y"><![CDATA[08100401]]></APPR_CD>
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  </ABS_DOC_ACTG>
  </AMS_DOCUMENT>
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</AMS_DOC_XML_IMPORT_FILE>

2.1.6 Modification GAP Example 1 – XML layout with no references

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        <DOC_DEPT_CD Attribute="Y"><![CDATA[DMH]]></DOC_DEPT_CD>
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        <WHLD_AM Attribute="Y"><![CDATA[0.00]]></WHLD_AM>
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    <ABS_DOC_VEND AMSDataObject="Y">
        <DOC_CAT Attribute="Y"><![CDATA[ABS]]></DOC_CAT>
        <DOC_TYP Attribute="Y"><![CDATA[ABS]]></DOC_TYP>
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```

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        <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
        <DOC_UNIT_CD Attribute="Y"><![CDATA[1000]]></DOC_UNIT_CD>
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        <DOC_TYP Attribute="Y"><![CDATA[ABS]]></DOC_TYP>
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        <DOC_ACTG_LN_NO Attribute="Y"><![CDATA[1]]></DOC_ACTG_LN_NO>
        <DOC_VEND_LN_NO Attribute="Y"><![CDATA[1]]></DOC_VEND_LN_NO>
        <DOC_UNIT_CD Attribute="Y"><![CDATA[1000]]></DOC_UNIT_CD>
        <LN_AM Attribute="Y"><![CDATA[2021.00]]></LN_AM>
        <BFY Attribute="Y"><![CDATA[2004]]></BFY>
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        <OBJ_CD Attribute="Y"><![CDATA[B05]]></OBJ_CD>
        <DEPT_CD Attribute="Y"><![CDATA[DMA]]></DEPT_CD>
        <UNIT_CD Attribute="Y"><![CDATA[1000]]></UNIT_CD>
        <APPR_CD Attribute="Y"><![CDATA[08100401]]></APPR_CD>
        <EVNT_TYP_ID Attribute="Y"><![CDATA[PR02]]></EVNT_TYP_ID>
    </ABS_DOC_ACTG>
    </AMS_DOCUMENT>
</AMS_DOC_XML_IMPORT_FILE>
```